

## CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

**Employer Id :** E82867

**Participation :** CTR

**Employer :** Harnish Group Inc

**Status :** Affected

**Worksite :** NC Machinery/Machinery Power and Equipment Co.

**Survey Type :** Online

**Street :** 17035 W Valley Hwy

**Response Rate :** 79%

**Jurisdiction :** City of Tukwila

**Survey Date :** 4/20/2017

### Non-Drive Alone & One-Way VMT Rates at this Worksite

**Non-Drive Alone Rate :** 12.8%

**Drive Alone Rate :** 87.2%

**One-Way VMT per employee :** 17.9

**Average One-Way distance home to work :** 21.7

### Employees and Survey Response Information

**Reported Total Employees at Worksite:** 223

**Surveys Distributed :** 174

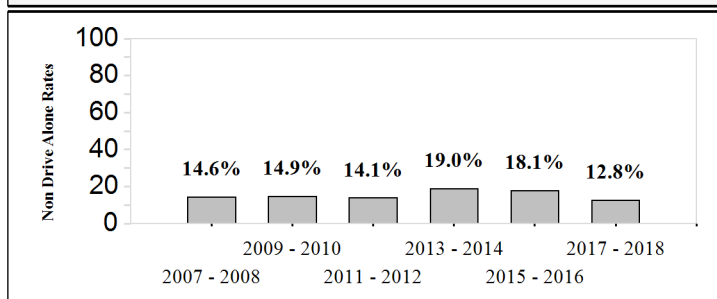
**Surveys Returned :** 138

**Surveys Returned by CTR Affected\* Employees :** 131

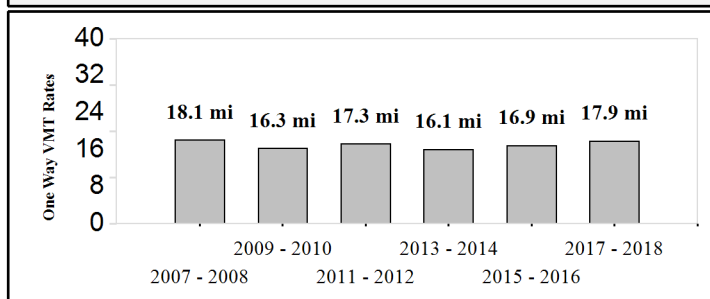
**Total Estimated CTR Affected Employees at Worksite :** 165

*\*CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.*

#### Non Drive Alone Rates - ALL Employees



#### One Way VMT per Employee - ALL Employees



### Site History and Targets

#### Annual Metric Tons CO<sub>2</sub>e Pounds CO<sub>2</sub>e

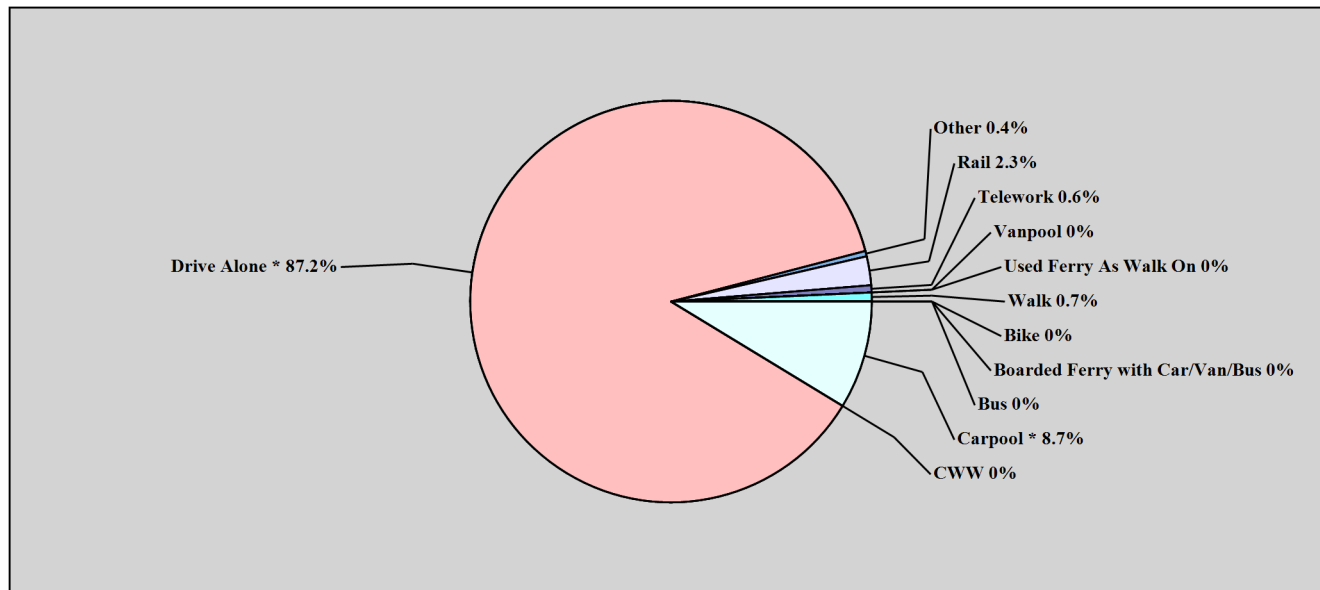
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	14.6%	13.7%	544	866	34.2	18.1	16.5
2009 - 2010	14.9%	14.0%	595	773	30.6	16.3	16.5
2011 - 2012	14.1%	14.7%	439	618	24.4	17.3	17.2
2013 - 2014	19.0%	19.5%	425	599	23.7	16.1	16.0
2015 - 2016	18.1%	18.2%	499	732	28.9	16.9	16.9
2017 - 2018	12.8%	13.3%	549	886	35.0	17.9	17.6
Target	27.1%				Target:	13.9	
% Point Change Target:	12.5				% Change Target:	-23.2%	
% Point Change from Baseline:	-1.8				% Change from Baseline:	-1.1%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

## Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



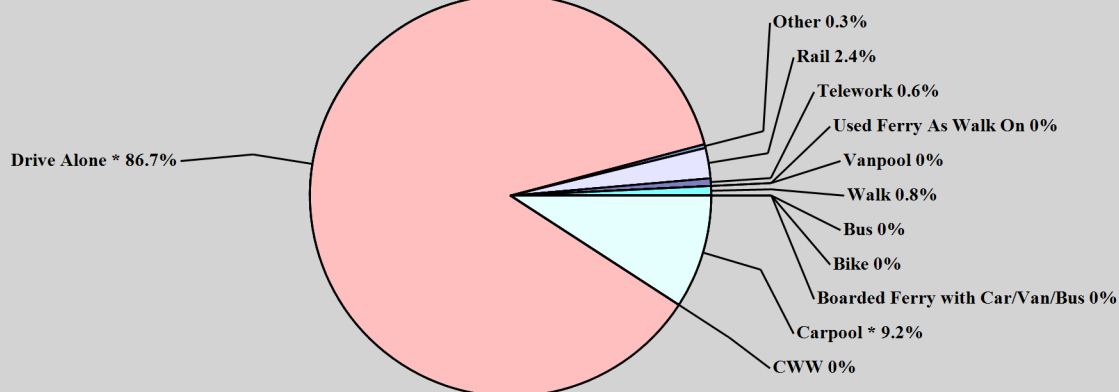
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	602	87.2%	81.9%	124	89.9%	86.9%
Carpool *	60	8.7%	11.0%	14	10.1%	11.7%
Vanpool	0	0.0%	0.0%	0	0.0%	0.0%
Bus	0	0.0%	0.0%	0	0.0%	0.0%
Rail	16	2.3%	2.3%	4	2.9%	2.9%
Bike	0	0.0%	0.7%	0	0.0%	1.5%
Walk	5	0.7%	0.6%	1	0.7%	1.5%
Telework	4	0.6%	0.0%	1	0.7%	0.0%
CWW	0	0.0%	0.0%	0	0.0%	0.0%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	3	0.4%	3.6%	2	1.4%	3.7%

\* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

## Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	568	86.7%	81.8%	117	89.3%	86.8%
Carpool *	60	9.2%	11.7%	14	10.7%	12.4%
Vanpool	0	0.0%	0.0%	0	0.0%	0.0%
Bus	0	0.0%	0.0%	0	0.0%	0.0%
Rail	16	2.4%	2.4%	4	3.1%	3.1%
Bike	0	0.0%	0.8%	0	0.0%	1.6%
Walk	5	0.8%	0.6%	1	0.8%	1.6%
Telework	4	0.6%	0.0%	1	0.8%	0.0%
CWW	0	0.0%	0.0%	0	0.0%	0.0%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	2	0.3%	2.7%	1	0.8%	3.1%

\* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

**Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:**

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
<b>0 Day</b>	117	85%	138	100%
<b>1 Days</b>	1	1%	21	15%
<b>2 Days</b>	3	2%	20	14%
<b>3 Days</b>	2	1%	17	12%
<b>4 Days</b>	2	1%	15	11%
<b>5 Days</b>	12	9%	13	9%
<b>6 or More Days</b>	1	1%	1	1%

**Count by Occupancy of Carpools and Vanpools**

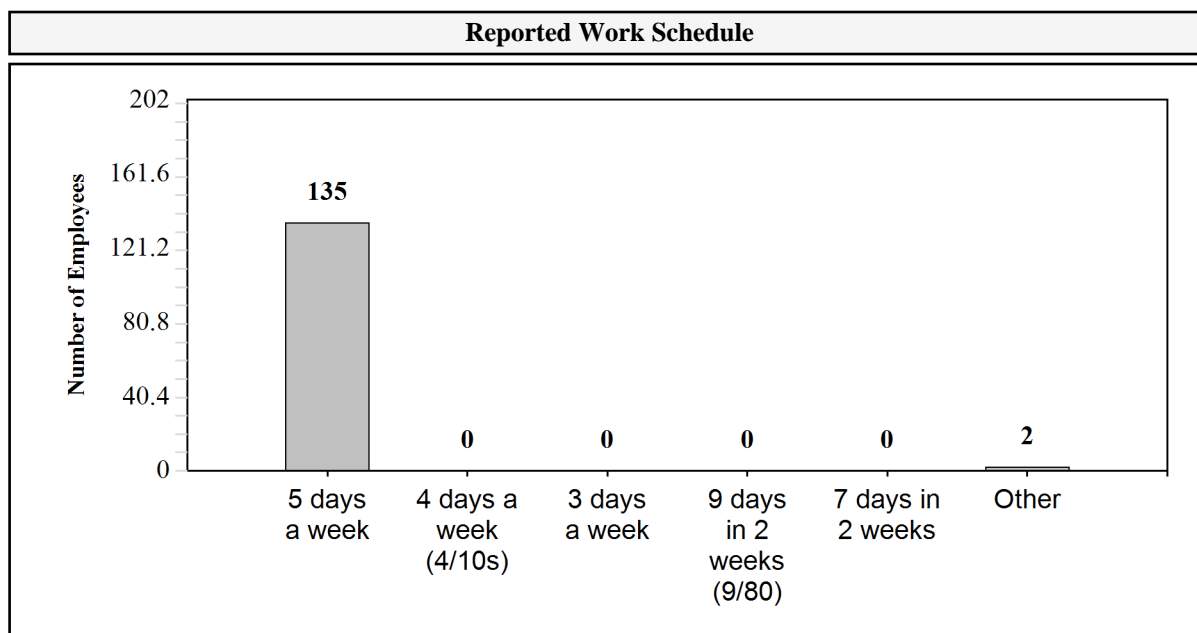
Q.4 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
<b>2*</b>	Carpool	40
<b>3</b>	Carpool	20
<b>4</b>	Carpool	0
<b>5</b>	Carpool	0
<b>&gt;5</b>	Carpool	0
<b>&lt;5</b>	Vanpool	0
<b>5</b>	Vanpool	0
<b>6</b>	Vanpool	0
<b>7</b>	Vanpool	0
<b>8</b>	Vanpool	0
<b>9</b>	Vanpool	0
<b>10</b>	Vanpool	0
<b>11</b>	Vanpool	0
<b>12</b>	Vanpool	0
<b>13</b>	Vanpool	0
<b>14</b>	Vanpool	0
<b>&gt;14</b>	Vanpool	0

\* Motorcycle-2 counted with Carpool-2 for this table.

## Reported Work Schedule - All Employees

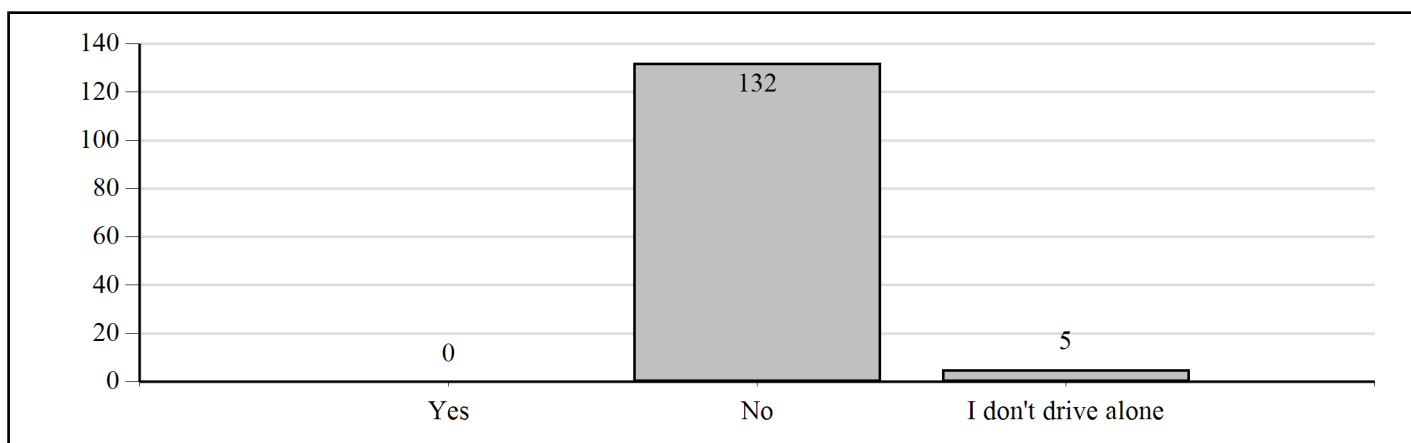
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	135	98.5%
4 days a week (4/10s)	0	0%
3 days a week	0	0%
9 days in 2 weeks (9/80)	0	0%
7 days in 2 weeks	0	0%
Other	2	1.5%

## Parking and Telework

**Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)**



**Q.10: How many days do you typically telework?**

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	1	0.7%
I don't telework	123	89.1%
Occasionally, on an as-needed basis	9	6.5%
1-2 days/month	3	2.2%
1 day/week	0	0.0%
2 days/week	1	0.7%
3 days/week	1	0.7%

## Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save money	36	18.4%
Other	34	17.3%
To save time using the HOV lane	32	16.3%
Personal health or well-being	24	12.2%
Financial incentives for carpooling, bicycling or walking.	14	7.1%
Driving myself is not an option	12	6.1%
Environmental and community benefits	11	5.6%
I have the option of teleworking	9	4.6%
Emergency ride home is provided	9	4.6%
Free or subsidized bus, train, vanpool pass or fare benefit	5	2.6%
Cost of parking or lack of parking	5	2.6%
Preferred/reserved carpool/vanpool parking is provided	3	1.5%
I receive a financial incentive for giving up my parking space	2	1.0%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	84	26.2%
Riding the bus or train is inconvenient or takes too long	76	23.7%
Other	37	11.5%
Family care or similar obligations	31	9.7%
My job requires me to use my car for work	30	9.3%
My commute distance is too short	29	9.0%
Bicycling or walking isn't safe	21	6.5%
I need more information on alternative modes	11	3.4%
There isn't any secure or covered bicycle parking	2	0.6%

## Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98092	9	6.52%	36	5	0	0	0	0	0	0	4	0	0	0	0
98042	8	5.80%	34	0	0	0	0	0	0	0	0	0	0	0	0
98058	6	4.35%	30	0	0	0	0	0	0	0	0	0	0	0	0
98022	5	3.62%	25	0	0	0	0	0	0	0	0	0	0	0	0
98031	5	3.62%	17	10	0	0	0	0	0	0	0	0	0	0	0
98032	5	3.62%	20	5	0	0	0	0	0	0	0	0	0	0	0
98038	5	3.62%	24	0	0	0	0	0	0	0	0	0	0	0	1
98146	5	3.62%	15	10	0	0	0	0	0	0	0	0	0	0	0
98391	5	3.62%	26	0	0	0	0	0	0	0	0	0	0	0	0
98001	4	2.90%	20	0	0	0	0	0	0	0	0	0	0	0	0
98055	4	2.90%	22	0	0	0	0	0	0	0	0	0	0	0	0
98059	4	2.90%	18	2	0	0	0	0	0	0	0	0	0	0	0
98373	4	2.90%	22	0	0	0	0	0	0	0	0	0	0	0	0
98023	3	2.17%	15	0	0	0	0	0	0	0	0	0	0	0	0
98372	3	2.17%	15	0	0	0	0	0	0	0	0	0	0	0	0
98374	3	2.17%	10	0	0	0	0	5	0	0	0	0	0	0	0
98466	3	2.17%	15	0	0	0	0	0	0	0	0	0	0	0	0
98002	2	1.45%	10	0	0	0	0	0	0	0	0	0	0	0	0
98030	2	1.45%	10	0	0	0	0	0	0	0	0	0	0	0	0
98056	2	1.45%	8	0	0	0	0	0	0	0	0	0	0	0	0
98057	2	1.45%	10	0	0	0	0	0	0	0	0	0	0	0	0
98116	2	1.45%	10	0	0	0	0	0	0	0	0	0	0	0	0
98136	2	1.45%	9	0	0	0	0	0	0	0	0	0	0	0	2
98178	2	1.45%	10	0	0	0	0	0	0	0	0	0	0	0	0
98198	2	1.45%	11	0	0	0	0	0	0	0	0	0	0	0	0
98360	2	1.45%	10	0	0	0	0	0	0	0	0	0	0	0	0





Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98406	2	1.45%	2	2	0	0	0	6	0	0	0	0	0	0	0
98580	2	1.45%	10	0	0	0	0	0	0	0	0	0	0	0	0
	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98010	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98014	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98021	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98036	1	0.72%	4	0	0	0	0	0	0	0	0	0	0	0	0
98039	1	0.72%	3	0	0	0	0	0	0	0	0	0	0	0	0
98040	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98051	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98053	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98074	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98077	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98117	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98125	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98133	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98144	1	0.72%	1	4	0	0	0	0	0	0	0	0	0	0	0
98188	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98233	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98271	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98275	1	0.72%	0	0	0	0	0	0	0	5	0	0	0	0	0
98292	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98329	1	0.72%	0	7	0	0	0	0	0	0	0	0	0	0	0
98335	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98338	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98367	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98371	1	0.72%	0	0	0	0	0	5	0	0	0	0	0	0	0
98387	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98404	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98405	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98409	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98422	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98498	1	0.72%	0	5	0	0	0	0	0	0	0	0	0	0	0
98503	1	0.72%	0	5	0	0	0	0	0	0	0	0	0	0	0
98516	1	0.72%	0	5	0	0	0	0	0	0	0	0	0	0	0
98597	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0
98801	1	0.72%	5	0	0	0	0	0	0	0	0	0	0	0	0